



JOHN ELIAS BALDACCI
GOVERNOR

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE
04333-0016

April 13, 2004

**Subject: Augusta, Vassalboro &
China**

Project No's NH-0556(270)E, NH-
0556(310)X, IM-0556(320)E, NH-
1140(800)E & NH-1140(900)E

Bid Amendment No. 2

DAVID A. COLE
COMMISSIONER

Dear Sir/Ms.:

Please make the following changes to your Bid Package:

Delete in its entirety the "Schedule of Items", dated 040326, 17 pages total and replace with the attached "Schedule of Items", dated 040413, 17 pages total.

Delete the first page of the "Contract Agreement Offer and Award", (both copies) with a completion date of November 14, 2004, and replace with the attached "Contract Agreement Offer and Award"(both copies) and a completion date of June 11, 2005.

Add the attached "Special Provision Section 107 Time (Contract Completion) and (Supplemental Liquidated Damages) one page, dated April 7, 2004.

Delete in its entirety "Special Provision Section 105 Relations With and Responsibility to Public (I-95 NB. Rest Area Closure)" dated March 26, 2004, one page total.

Add the attached "Special Provision Section 107 Time (Site Availability) I-95 NB. Rest Area", one page, dated April 7, 2004.

Add the attached "Special Provision Section 203 Excavation and Embankment (Contaminated Soil and Groundwater Management)" dated March 24, 2004, seven pages total.

Delete "Special Provision Section 403" one page, dated March 22, 2004 and replace with the attached "Special Provision Section 403" dated April 7, 2004, one page total.

Add the attached "Special Provision Section 502 Structural Concrete(QC/QA) Methods)" one page, dated April 8, 2004.

Add the attached "Section 607 Fencing (Locations for Woven Wire and Chain Link Fence)" one page, dated April 2004.



PRINTED ON RECYCLED PAPER

Add the attached "Special Provision Section 621 Landscape (Plant Species Specifications and Quantities List)" two pages, dated March 22, 2004.

Add the attached Special Provision Section 606 Guardrail (Timber Guardrail) three pages total, dated January 3, 2004.

Add the attached "Special Provision Section 656 Temporary Soil Erosion and Water Pollution Control" one page, dated April 5, 2004.

On the "Special Provision Section 107 Time" delete the completion date of **November 14, 2004** and replace with a new completion date of **June 11, 2005**. Make this change in pen and ink.

On the General Notes, Project No. NH-1140(800)E, add the following to the existing note # 7:

"The cost of guardrail which is not reused shall be incidental to related guardrail Items"

On the General Notes, Project No. NH-1140(800)E add the following Note:

#14) "Item #606.178 "Guardrail beam also includes furnishing and installing Straight beam and Radius beam".

On the General Notes, Project No. NH-1140(900)E, add the following to the existing note # 6:

"The cost of guardrail which is not reused shall be incidental to related guardrail Items"

On the General Notes, Project No. NH-1140(900)E add the following Note:

#12) "Item #606.178 Guardrail beam also includes furnishing and installing Straight beam and Radius beam".

Make these changes in pen and ink

Consider these changes prior to submitting your bid on April 21, 2004.

Sincerely,

 FOR

Scott Bickford

Contracts & Specifications Engineer

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 000556.27

PROJECT(S) : NH-0556(27)E
 NH-0556(310)X
 IM-0556(320)E
 OTHERS

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS
SECTION 0001 HIGHWAY ITEMS				
0010	201.23 REMOVING SINGLE TREE TOP ONLY	2.000 EA		
0020	201.24 REMOVING STUMP	2.000 EA		
0030	202.202 REMOVING PAVEMENT SURFACE	144600.000 M2		
0040	202.203 PAVEMENT BUTT JOINTS	510.000 M2		
0050	203.20 COMMON EXCAVATION	51100.000 M3		
0060	203.21 ROCK EXCAVATION	7300.000 M3		
0070	203.2312 HEALTH AND SAFETY PLAN	LUMP	LUMP	
0080	203.2333 DISPOSAL OF SPECIAL EXCAVATION	400.000 MG		
0090	203.25 GRANULAR BORROW	120.000 M3		

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS
0100	206.061 STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES, BELOW GRADE	100.000 M3		
0110	206.07 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	125.000 M3		
0120	304.09 AGGREGATE BASE COURSE - CRUSHED	13700.000 M3		
0130	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	21600.000 M3		
0140	310.24 PLANT MIX RECYCLED ASPHALT PAVEMENT - 100 MM DEPTH	41900.000 M2		
0150	403.207 HOT MIX ASPHALT 19.0 MM NOMINAL MAX SIZE	15470.000 MG		
0160	403.208 HOT MIX ASPHALT 12.5 MM, SURFACE	23420.000 MG		
0170	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTAL)	260.000 MG		
0180	403.210 HOT MIX ASPHALT 9.5 MM NOMINAL MAX SIZE	410.000 MG		
0190	403.211 HOT MIX ASPHALT (SHIM)	50.000 MG		

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS
0200	403.213 HOT MIX ASPHALT 12.5 MM, BASE	8950.000 MG		
0210	409.15 BITUMINOUS TACK COAT APPLIED	27860.000 L		
0220	424.321 ASPHALT RUBBER JOINT SEALER, APPLIED	3710.000 M		
0230	504.069 CONCRETE PIPE TIES	45.000 EA		
0240	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP	LUMP	
0250	526.312 PERMANENT CONCRETE BARRIER TYPE II	LUMP	LUMP	
0260	526.331 PERMANENT CONCRETE BARRIER TYPE III B	LUMP	LUMP	
0270	526.34 PERMANENT CONCRETE TRANSITION BARRIER	2.000 EA		
0280	527.301 ENERGY ABSORBING SYSTEM (C-A-T)	2.000 EA		
0290	527.303 ENERGY ABSORBING SYSTEM (ET-2,000)	2.000 EA		

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0300	603.155 300 MM RCP CLASS III	15.600				
		M				
0310	603.16 375 MM CULVERT PIPE OPTION I	115.000				
		M				
0320	603.1652 375 MM RCP CLASS IV	27.600				
		M				
0330	603.17 450 MM CULVERT PIPE OPTION I	69.600				
		M				
0340	603.175 450 MM RCP CLASS III	92.400				
		M				
0350	603.179 450 MM CULVERT PIPE OPTION III	20.400				
		M				
0360	603.195 600 MM RCP CLASS III	20.400				
		M				
0370	603.205 750 MM REINFORCED CONCRETE PIPE CLASS III	50.400				
		M				
0380	603.43 914 MM REINFORCED CONCRETE PIPE CLASS IV	62.400				
		M				
0390	603.76 300 MM INLET GRATE UNIT	1.000				
		EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0400	603.77 375 MM INLET GRATE UNIT	1.000 EA				
0410	603.78 450 MM INLET GRATE UNIT	5.000 EA				
0420	603.80 600 MM INLET GRATE UNIT	1.000 EA				
0430	603.82 900 MM INLET GRATE UNIT	2.000 EA				
0440	604.092 CATCH BASIN TYPE B1-C	5.200 EA				
0450	604.15 MANHOLE	4.000 EA				
0460	604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	39.000 EA				
0470	604.243 CATCH BASIN TYPE F3-C	1.000 EA				
0480	604.247 CATCH BASIN TYPE F5-C	1.000 EA				
0490	604.249 CATCH BASIN TYPE F6-C	3.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS
0500	605.09 150 MM UNDERDRAIN TYPE B	416.000 M		
0510	605.10 150 MM UNDERDRAIN OUTLET	27.000 M		
0520	605.11 300 MM UNDERDRAIN TYPE C	70.000 M		
0530	606.1721 BRIDGE TRANSITION - TYPE 1	17.000 EA		
0540	606.1722 BRIDGE TRANSITION - TYPE 2	2.000 EA		
0550	606.178 GUARDRAIL BEAM	243.760 M		
0560	606.23 GUARDRAIL TYPE 3C - SINGLE RAIL	2844.780 M		
0570	606.2301 GUARDRAIL TYPE 3C - DOUBLE RAIL	665.000 M		
0580	606.231 GUARDRAIL TYPE 3C - 4.5 M RADIUS AND LESS	3.810 M		
0590	606.232 GUARDRAIL TYPE 3C - OVER 4.5 M RADIUS	3.810 M		

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS
0600	606.24 GUARDRAIL TYPE 3D - SINGLE RAIL	650.000 M		
0610	606.2602 TERMINAL END - TRAILING END	11.000 EA		
0620	606.35 GUARDRAIL DELINEATOR POST	164.000 EA		
0630	606.363 GUARDRAIL REMOVE AND DISPOSE	492.000 M		
0640	606.611 TIMBER GUARDRAIL	30.000 M		
0650	606.754 WIDEN SHOULDER FOR 350 END TREATMENT	48.000 EA		
0660	606.79 GUARDRAIL 350 FLARED TERMINAL	63.000 EA		
0670	607.09 WOVEN WIRE FENCE - METAL POSTS	5060.000 M		
0680	607.15 DRIVE GATEWAY 4.9 METER - METAL	3.000 EA		
0690	607.163 CHAIN LINK FENCE - 1.2 METER P.V.C. COATED	1730.000 M		

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS
0700	607.32 BRACING ASSEMBLY TYPE I - METAL POSTS	16.000 EA		
0710	607.33 BRACING ASSEMBLY TYPE II - METAL POSTS	43.000 EA		
0720	609.31 CURB TYPE 3	692.000 M		
0730	609.34 CURB TYPE 5	1485.000 M		
0740	609.35 CURB TYPE 5 - CIRCULAR	17.000 M		
0750	610.08 PLAIN RIPRAP	170.000 M3		
0760	610.18 STONE DITCH PROTECTION	70.000 M3		
0770	613.319 EROSION CONTROL BLANKET	7075.000 M2		
0780	615.07 LOAM	2430.000 M3		
0790	618.1301 SEEDING METHOD NUMBER 1 - PLAN QUANTITY	3.000 UN		

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0800	618.1401 SEEDING METHOD NUMBER 2 - PLAN QUANTITY	232.000 UN				
0810	618.1411 SEEDING METHOD NUMBER 3 - PLAN QUANTITY	218.000 UN				
0820	618.143 SPECIAL SEED MIX: FORT WESTERN PROP.	38.000 UN				
0830	618.15 TEMPORARY SEEDING	150.000 KG				
0840	618.25 APPLIED WATER	10.000 M3				
0850	619.1201 MULCH - PLAN QUANTITY	455.000 UN				
0860	619.1401 EROSION CONTROL MIX	100.000 M3				
0870	620.54 STABILIZATION GEOTEXTILE	900.000 M2				
0880	620.58 EROSION CONTROL GEOTEXTILE	572.000 M2				
0890	621.01 EVERGREEN TREES (200 MM - 300 MM)	1000.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0900	621.031 EVERGREEN TREES (1200 MM - 1500 MM) GROUP A	72.000 EA				
0910	621.037 EVERGREEN TREES (1500 MM - 1800 MM) GROUP A	50.000 EA				
0920	621.18 MEDIUM DECIDUOUS TREES (1800 MM - 2400 MM) GROUP C	120.000 EA				
0930	621.255 LARGE DECIDUOUS TREES (2400 MM - 3000 MM) GROUP A	24.000 EA				
0940	621.273 LARGE DECIDUOUS TREE (50 MM - 65 MM CALIPER) GROUP A	144.000 EA				
0950	621.401 DWARF EVERGREENS (600 MM - 750 MM) GROUP A	126.000 EA				
0960	621.498 BROADLEAF EVERGREENS (750 MM - 900 MM) GROUP A	126.000 EA				
0970	621.54 DECIDUOUS SHRUBS (450 MM - 600 MM) GROUP A	348.000 EA				
0980	621.546 DECIDUOUS SHRUBS (600 MM - 900 MM) GROUP A	402.000 EA				
0990	621.71 HERBACEOUS PERENNIALS GROUP A	300.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS
1000	621.80 ESTABLISHMENT PERIOD	LUMP	LUMP	
1010	626.11 PRECAST CONCRETE JUNCTION BOX: _____	6.000 EA		
1020	626.22 NON-METALLIC CONDUIT	3020.000 M		
1030	626.23 PREWIRED CONDUIT SECONDARY WIRING	2950.000 M		
1040	626.25 UNDER PAVEMENT DUCT	80.000 M		
1050	626.31 450 MM FOUNDATION	1.000 EA		
1060	626.32 600 MM FOUNDATION	81.000 EA		
1070	626.33 750 MM FOUNDATION	8.000 EA		
1080	626.36 REMOVE OR MODIFY CONCRETE FOUNDATION	11.000 EA		
1090	626.38 GROUND MOUNT CABINET FOUNDATION	2.000 EA		

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS
1100	627.711 WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE (PLAN QUANTITY)	26100.000 M		
1110	627.75 WHITE OR YELLOW PAVEMENT AND CURB MARKING	330.000 M2		
1120	627.76 TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	LUMP	LUMP	
1130	629.05 HAND LABOR, STRAIGHT TIME	80.000 HR		
1140	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20.000 HR		
1150	631.13 BULLDOZER (INCLUDING OPERATOR)	40.000 HR		
1160	631.131 SMALL BULLDOZER-GRADER (INCLUDING OPERATOR)	40.000 HR		
1170	631.14 GRADER (INCLUDING OPERATOR)	40.000 HR		
1180	631.15 ROLLER, EARTH AND BASE COURSE (INCLUDING OPERATOR)	40.000 HR		
1190	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	20.000 HR		

SCHEDULE OF ITEMS

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS
1200	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	20.000 HR		
1210	631.20 STUMP CHIPPER (INCLUDING OPERATOR)	20.000 HR		
1220	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	40.000 HR		
1230	634.16 HIGHWAY LIGHTING	LUMP	LUMP	
1240	634.208 REMOVE AND RESET LIGHT STANDARDS	3.000 EA		
1250	634.21 CONVENTIONAL LIGHT STANDARD	63.000 EA		
1260	637.071 DUST CONTROL	LUMP	LUMP	
1270	643.80 TRAFFIC SIGNALS AT Rte.3 w/ Rte.104	LUMP	LUMP	
1280	643.80 TRAFFIC SIGNALS AT RTE.3 W/ RTE.201	LUMP	LUMP	
1290	643.80 TRAFFIC SIGNALS AT RTE.3 W/ RTE.202	LUMP	LUMP	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS
1300	643.91 MAST ARM POLE 12 M	1.000 EA		
1310	643.91 MAST ARM POLE 15 M	1.000 EA		
1320	643.93 STRAIN POLE	4.000 EA		
1330	643.94 DUAL PURPOSE POLE	4.000 EA		
1340	643.94 DUAL PURPOSE POLE W/ 15 M MAST ARM	2.000 EA		
1350	645.103 DEMOUNT GUIDE SIGN	9.000 EA		
1360	645.106 DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	4.000 EA		
1370	645.108 DEMOUNT POLE	11.000 EA		
1380	645.113 REINSTALL GUIDE SIGN	2.000 EA		

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS
1390	645.116 REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	1.000 EA		
1400	645.12 OVERHEAD GUIDE SIGN: GA-1	LUMP	LUMP	
1410	645.12 OVERHEAD GUIDE SIGN: GA-1-AUX	LUMP	LUMP	
1420	645.12 OVERHEAD GUIDE SIGN: GA-2	LUMP	LUMP	
1430	645.12 OVERHEAD GUIDE SIGN: GA-4	LUMP	LUMP	
1440	645.13 GUIDE SIGN - OVERPASS MOUNTED GX-3	LUMP	LUMP	
1450	645.15 CANTILEVER GUIDE SIGN GA-3	LUMP	LUMP	
1460	645.161 BREAKAWAY DEVICES SINGLE POLE	12.000 EA		
1470	645.162 BREAKAWAY DEVICES MULTI-POLE	4.000 EA		
1480	645.251 ROADSIDE GUIDE SIGNS	66.000 M2		

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1490	645.271 REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS, TYPE I	17.000 M2		
1500	645.2711 OVERLAY GUIDE SIGN - TYPE I	1.000 M2		
1510	645.289 STEEL H-BEAM POLES	2275.000 KG		
1520	645.291 ROADSIDE GUIDE SIGNS TYPE II	17.000 M2		
1530	645.292 REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS TYPE II	110.000 M2		
1540	645.301 DEMOUNTABLE REFLECTORIZED DELINEATOR, SINGLE	40.000 EA		
1550	645.302 DEMOUNTABLE REFLECTORIZED DELINEATOR, DOUBLE	80.000 EA		
1560	652.38 FLAGGER	5900.000 HR		
1570	652.39 WORK ZONE TRAFFIC CONTROL	LUMP	LUMP	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS
1580	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP	
1590	657.24 SEEDING PITS	300.000 UN		
1600	658.20 ACRYLIC LATEX COLOR FINISH, GREEN	1715.000 M2		
1610	659.10 MOBILIZATION	LUMP	LUMP	
1620	660.21 ON-THE-JOB TRAINING (BID)	4500.000 HR		
	SECTION 0001 TOTAL			
	TOTAL BID			

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street, Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

_____ a corporation or other legal entity organized under the laws of the State of Maine, with its principal place of business located at _____

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

A. The Work.

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, PIN No's. **556.27, 556.31, 556.32, 11408.00 and 11409.00**

for **New Highway Construction, Highway Improvements, and Highway Resurfacing** in the towns of **China and Vassalboro and City of Augusta**, County of **Kennebec**, Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. Time.

The Contractor agrees to complete all Work, except warranty work, on or before **June 11, 2005**. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002.

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street, Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

_____ a corporation or other legal entity organized under the laws of the State of Maine, with its principal place of business located at _____

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The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. Time.

The Contractor agrees to complete all Work, except warranty work, on or before **June 11, 2005**. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002.

Augusta
556.27, 556.31, 556.32
11408.00, 11409.00
April 7, 2004

SPECIAL PROVISION
SECTION 107
TIME
(Contract Completion)
and
(Supplemental Liquidated Damages)

The Contractor shall have the roadway from I-95 east to Route 3 west open to traffic on or before November 14th 2004. All work including pavement, guardrail, lighting, striping and signing shall be complete by this date. Plantings, seeding, cleanup, and various incidentals shall be complete on or before June 11th 2005.

Supplemental Liquidated Damages shall be assessed the Contractor in the amount of Two Thousand Five Hundred Dollars (\$2,500.00) per day, for each calendar day beyond November 14th that the above mentioned work and roadway from I-95 to Route 3 is not open to traffic.

This assessment of Supplemental Liquidated Damages will be in addition to the Liquidated Damages per calendar day as specified in Section 107.

Any guardrail work associated with PINS. 11408.00 and 11409 started in 2004, shall be completed this year. If the Contractor chooses to perform this work in 2005, it shall be completed before June 11th 2005.

The specified contract completion date for all remaining work on this project is June 11th 2005.

Should any work remain incomplete beyond June 11th 2005, Liquidated Damages shall be assessed the Contractor per calendar day as specified in Section 107.

SPECIAL PROVISION
SECTION 107
TIME
(Site Availability)
I-95 NB. Rest Area

The Contractor shall not work from Sta. 400+120 to Sta. 31+290 in the I-95 northbound rest area vicinity until September 8, 2004 and at that time, this area will become available to the contractor. Demolition of I-95 rest area building will be by others.

**SPECIAL PROVISION
SECTION 203
EXCAVATION AND EMBANKMENT
(CONTAMINATED SOIL AND GROUNDWATER MANAGEMENT)**

General. The work under this specification shall be performed in conformance with all the procedures and requirements described herein for the following activities: contaminated soil handling, reuse, temporary stockpiling, transportation, storage and disposal and contaminated water handling, storage, treatment, and disposal. This specification also addresses contaminated soil location, identification and classification. The intent of this specification is to ensure that contaminated soil and/or water encountered during construction will be managed in a manner that protects worker health and safety, public welfare and the environment.

Environmental Site Conditions. The Maine Department of Transportation's Environmental Office (MDOT's-ENV.) has conducted a series of assessments related to the Route 3 East Highway Improvement Project in Augusta. An initial Phase I Environmental Assessment for the project area was completed to obtain a general understanding of the environmental conditions along the project corridor. Data garnered from this assessment was used to design a Modified, Phase II Contamination Assessment for the project. The primary focus of the assessments was to evaluate the type and extent of subsurface contamination along the project corridor. The Phase I Assessment included a review of relevant Maine Department of Environmental Protection's (MDEP's) and Environmental Protection Agency's (EPA's) databases and field reconnaissance of the project area. Underground utility representatives and other knowledgeable individuals were also queried for further information regarding environmental conditions within the project area. During Phase II, test borings were advanced for investigative purposes. A photo-ionization detector (PID) was used to test soil boring samples from the explorations for volatile organic compound (VOC) concentrations indicative of petroleum products. (See *Identified Areas of Contamination* below). Select samples for laboratory testing were also taken to further aid in evaluating subsurface conditions. The results of these investigations indicate that the subsurface area along a portion of this project is adversely impacted. Data associated with this determination are available for review from the Hydrogeologist at MDOT's Environmental Office in Augusta (207-624-3100).

Identified Area of Contamination. The efforts put forth in the Phase I and Phase II portions of the contamination assessment identified one area of soil contamination.

This area, designated as **Area A**, is defined as along Route 3, in the vicinity of the former Fort Western Tire service station, from approximately MDOT Survey Stations 40+260 to 40+290, right and left of centerline and 50+520 to 50+100, right and left of centerline. Within **AREA A**, poly-bag field samples screened with a photo-ionization detector (PID) calibrated to the appropriate MDEP specified set point ranged from 0 ppm to roughly 200 ppm at depths ranging from 1.0 m to 3.0 m below ground surface (bgs). Contamination in **AREA A** appears to be related to the past use and storage of petroleum products, such as gasoline and diesel. Soil samples were collected from two explorations within **AREA A** to further define the contamination. The samples were collected from explorations B-509 and B-514 (located at roughly Survey Stations 40+280 and 40+295, respectively) from depths ranging from 1.5 m (at B-509) to 2.5 m bgs (at B-514). The samples were submitted to Katahdin Analytical, Inc for laboratory analysis. The sample from B-514 was analyzed for VOCs and metals. The sample from B-509 was analyzed for VOCs and semi-volatile organic compounds (SVOCs).

A variety of VOCs consisting of typical gasoline constituents were detected in the soil sample from B-514. Diesel type constituents were detected in B-509. The concentrations observed in the borings define the soils as special waste per State remedial guidelines. As such, excavated soil from **AREA A** will require special handling and/or disposal/treatment during construction.

Identifying and Screening Contaminated Soil and Groundwater. Within the contaminated section designated **Area A**, excavated soils will be classified by the Engineer (or an MDOT-ENV representative) based on their visual and olfactory evidence of contamination and by photo-ionization detector (PID) field screening. Field screening with a PID shall be performed according to the MDEP “Jar/Poly Bag Headspace Technique” contained in Appendix Q of *Regulations for Registration, Installation, Operation and Closure of Underground Oil Storage Facilities, Chapter 691* (MDEP 12/24/96) and using MDEP’s May 1995 calibration set-points.

The excavated soils shall be classified as Group 1 or Group 2.

Group 1 soils shall have photo-ionization detector (PID) field screening measurements indicating relative concentrations of VOCs less than or equal 20 parts per million (ppm) as measured in the soil headspace.

Group 2 soils shall have PID field screening measurements indicating VOC concentrations greater than 20 ppm.

Handling and Disposition of Soil Materials. Within **Area A**, soil material excavated during construction shall be handled as follows:

Group 1 soils are not considered contaminated. Thus, special handling and disposal are not required for Group 1 soils.

Group 2 soils are defined as special waste and shall be properly managed at an appropriately licensed, off site facility. The Contractor shall arrange and undertake disposal of all Group 2 soils at a landfill or treatment facility licensed to accept petroleum contaminated special waste. The Contractor is responsible for all additional testing required by the disposal facility. Group 2 soils that cannot be disposed of within 8 hours of excavation shall be stored in a secured stockpile area (See Temporary Secured Stockpile Area below). If the Contractor proposes other disposal or treatment options, the Contractor is solely responsible for obtaining the associated permits and approvals from all relevant Municipal, State, and Federal agencies at no additional cost to the State.

The Engineer is responsible for signing any manifests or bills of lading required to transport and dispose of contaminated soil. The Engineer will send all manifests to MDOT, Motor Transport Services, Station 26, Augusta, Maine 04333.

Trench and Underdrain/Stormdrain Design in Contaminated Section. In the general area of contamination (e.g., **Area A**), no work will be directed toward the installation of any underdrain or stormdrain systems.

Secured Stockpile Area. Direct transport of Group 2 soils to a pre-approved management facility is recommended. However, should the Contractor temporarily store any Group 2 soils at the site for more than 8 hours following excavation, they must be placed into a properly constructed Temporary Secured Stockpile Area. The Temporary Secured Stockpile Area must be constructed as defined herein and must be approved by the Engineer prior to its use.

Should the Contractor utilize a Secured Stockpile Area, they shall install a continuous 0.30 m (one-foot) high compacted soil berm around the Secured Stockpile. The Secured Stockpile shall be placed on a liner of 20-mil polyethylene and securely covered with 20-mil polyethylene. The polyethylene liner and cover shall be placed over the soil berm and be installed to ensure that precipitation water drains directly to the outside of the berm perimeter while leachate from the contaminated soil is retained within the stockpile. The Secured Stockpile and soil berm shall be enclosed within a perimeter of concrete Jersey barriers or wooden barricades. The area within the Jersey barriers (or wooden barricades) shall be identified as a "restricted area" to prevent unauthorized access to the contaminated soils.

Secured Stockpile Area - Materials.

A. Polyethylene. Polyethylene used for liner in the Secured Stockpile Area shall have a minimum of 20-mil thickness and shall meet the requirements of ASTM D3020.

B. Common Borrow. Fill used in the construction of the Temporary Secured Stockpile Area soil berm shall consist of Common Borrow and meet the requirements of Section 703.18

C. Concrete Barriers or Wooden Barricades. Concrete barriers or Wooden Barricades to form the sides of the Temporary Secured Stockpile Area shall meet the requirements of Section 526 or 652.05.

Health and Safety/Right-to-Know. Contractors and Subcontractors are required to notify their workers of the history of the site and contamination that may be present and to be alert for evidence of contaminated soil and groundwater. The Contractor shall notify the Engineer at least three business days prior to commencing any excavation in **Area A**.

The Contractor shall prepare a site specific Health and Safety Plan (HASP) for its workers and subcontractors who may work in the contaminated area of the site. A Qualified Health and Safety Professional shall complete the HASP. The Qualified Health and Safety Professional will be an expert in field implementation of the following federal regulations:

29 CFR 1910.120 or Hazardous Waste Operations and
29 CFR 1926.65 Emergency Response

29 CFR 1910.134 Respiratory Protection

29 CFR 1926.650 Subpart D - Excavations

29 CFR 1926.651 General Requirements

29 CFR 1926.652 Requirements for Protective Systems

The Contractor shall designate a Hazardous Waste Operations “Competent Person” to provide direct on-site supervision plus health and safety monitoring for work in the contaminated section. The Competent Person shall have certified training and experience in field implementation of the aforementioned regulations.

MDOT is voluntarily ameliorating the contamination in **Area A**. The remedial efforts defined herein have been reviewed and approved by MDEP. Given that this is a voluntary clean up effort approved by a regulatory agency, the OSHA requirements as defined in 29 CFR 1910.120 apply. These requirements mandate that workers and subcontractors working in the contaminated area shall be trained in Health and Safety procedures according to the OSHA regulations for Hazardous Waste Operations and Emergency Response, be current in their annual OSHA refresher course, and be medically monitored in compliance with these OSHA regulations.

Work inside contaminated trench sections may be subject to OSHA's permit-required confined space regulations under 29 CFR 1910.146.

Submittals. The Contractor shall submit a site specific Health and Safety Plan (HASP) to the Engineer at least two weeks in advance of any excavation work on the project.

Health and Safety Monitoring. Within the contaminated area of the project, the Contractor's designated Competent Person shall monitor the worker breathing zone for those constituents specified in the Contractor's HASP. The Contractor shall provide all required health and safety monitoring equipment.

Dewatering. Within **Area A** groundwater is not anticipated during excavation for roadway basing and drainage enhancement. However, should its removal become necessary to complete work it will be treated as "contaminated" water. The Contractor shall inform the Engineer before any dewatering commences. The "contaminated" water shall be pumped into a temporary holding tank(s). The Contractor will be responsible for the procurement of any holding tank(s). Any testing, treatment and/or disposal of the stored, motor fuel contaminated, water shall be undertaken by the Contractor in accordance with applicable Federal, State and local regulatory requirements.

On-Site Water Storage Tanks - Materials. If dewatering within the identified contaminated area becomes necessary the holding tanks used for temporary storage of contaminated water pumped from excavations shall be contamination-free and have a minimum capacity of 7,500 liters (2,000 gallons).

Dust Control. The Contractor shall employ dust control measures to minimize the creation of airborne dust during construction. As a minimum, standard dust control techniques shall be employed where heavy equipment and the public will be traveling. These may include techniques such as watering-down the site or spreading hygroscopic salts.

Unanticipated Contamination. If the Contractor encounters previously undiscovered contamination or potentially hazardous conditions related to contamination, the Contractor shall suspend work and secure the area. The Contractor will then notify the Engineer immediately. These potentially hazardous conditions include, but are not limited to, buried containers, drums, tanks, "oil saturated soils", strong odors or the presence of petroleum sufficient to cause a sheen on the groundwater. The area of potential hazard shall be secured to minimize health risks to workers and the public and to prevent a release of contaminants into the environment. The source of the suspected

contamination will be evaluated by the Engineer (or MDOT's-ENV representative). As appropriate, the Engineer will notify the Maine Department of Environmental Protection's Response Services Unit in Augusta and MDOT's Environmental Office. The Augusta Fire Department must also be notified prior to removal of buried storage tanks and associated piping. The Contractor will evaluate the impact of the hazard on construction, amend the HASP if necessary, and with the Engineer's approval recommence work in accordance with the procedures of this Special Provision.

Method of Measurement. There will be no measurement for identification and environmental screening of contaminated soil material (this will be done by the Engineer or MDOT-ENV representative).

Measurement for the development of a Health and Safety Plan (HASP) and providing health and safety equipment and personnel shall be by lump sum.

Measurement of the off site treatment or disposal of Group 2 soils will be by the Mega Gram of Special Excavation.

There will be no measurement for construction of a Temporary Secured Stockpile Area. Construction of a Temporary Secured Stockpile Area, if necessary, is considered incidental to project construction. There will be no measurement for hauling Group 2 soils to the Temporary Secure Stockpile area or placement and removal of Group 2 soils in or out of the Temporary Secure Stockpile area. All hauling and any subsequent management/placement of contaminated soils are considered incidental to project construction.

There will be no measurement for additional laboratory testing of contaminated soil that is required by the landfill or treatment facility. Testing is incidental to the disposal of Special Excavation.

Measurement for the following items shall be according to Subsection 109:04 ("Change Order"/Force Account): any necessary contaminated water holding tank(s); and treatment or disposal of any contaminated ground water.

Basis of Payment. There will be no payment for the identification and environmental screening of contaminated soil material (this will be done by the Engineer or MDOT-ENV representative).

Payment for the development of a Health and Safety Plan (HASP) and providing health and safety equipment and personnel shall be by the lump sum

Payment for off site disposal or treatment of contaminated Group 2 soils at a properly licensed facility shall be by the Mega Gram of Special Excavation.

There will be no payment for the construction of the Temporary Secured Stockpile Area or hauling/management/placement of contaminated soils to the Temporary Secured Stockpile Area. The Temporary Secured Stockpile Area shall be considered incidental to project construction.

Payment for the following items shall be according to Subsection 109:04 ("Change Order"/Force Account): any necessary contaminated water holding tank(s); and treatment or disposal of any contaminated ground water.

Pay Item	Pay Unit
203.2312 Health and Safety Plan (HASP)	L.S.
203.2333 Disposal/Treatment of Special Excavation	M.G

Augusta – China
 NH-1140(800)E
 China
 NH-1140(900)E
 Route 3, Level II
 April 7, 2004

SPECIAL PROVISION
SECTION 403
HOT MIX ASPHALT OVERLAY

Desc. of Course	Grad. Design	Item Number	Bit Cont. % of Mix	Total Thick	No. Of Layers	Comp. Notes
<u>Milled Areas</u>						
<u>Mainline Traveled Way and Shoulders</u>						
Wearing	12.5mm	403.208	N/A	40mm	1	4,7,12
<u>Approach Roads</u>						
Wearing	12.5 mm	403.208	N/A	40mm	1	4,7,12

COMPLEMENTARY NOTES

4. The design traffic level for mix placed shall be 0.3 to <3 million ESALS. The design, verification, Quality Control, and Acceptance tests for this mix will be performed at **50 gyrations.**
7. Section 106.6 Acceptance, (1) Method A.
12. A mixture meeting the gradation of 9.5mm hot mix asphalt may be used at the option of the contractor.

Tack Coat

A tack coat of emulsified asphalt, RS-1 or HFMS-1, Item #409.15 shall be applied to any existing pavement at a rate of approximately 0.08 L/m², and on milled pavement approximately 0.2 L/m², prior to placing a new course. A fog coat of emulsified asphalt shall be applied between shim / intermediate course and the surface course, at a rate not to exceed 0.08 L/m².

Tack used between layers of pavement will be paid for at the contract unit price for Item 409.15 Bituminous Tack Coat.

SPECIAL PROVISION
SECTION 502
STRUCTURAL CONCRETE
(QC/QA Acceptance Methods)

CLASS OF CONCRETE	ITEM NUMBER	DESCRIPTION	P	METHOD
LP	526.312	Permanent Concrete Barrier Type II	\$700	A
LP	526.331	Permanent Concrete Barrier Type IIIb	\$700	A
LP	526.34	Permanent Concrete Transition Barrier	\$700	A
LP	626.31	450 mm Foundation	\$700	A
LP	626.32	600 mm Foundation	\$700	A
LP	626.33	750 mm Foundation	\$700	A

P values listed above reflect the price per cubic meter for all pay adjustment purposes.

SECTION 607
Fencing
(Locations for Woven Wire and Chain Link Fence)

The following are approximate station and offset locations for fencing. All fencing shall be installed per the standard specifications for Section 607. Fencing along right of way and control of access shall be placed 300 mm (1 foot) inside the line unless otherwise directed.

Approximate gate locations are designated by access right locations on the Right of Way plans. Final placement shall be determined through coordination with the Resident.

607.09 Woven Wire Fence - Metal Posts

From Station	Offset (m)	To Station	Offset (m)
200+200 RT	30	10+363 RT	40
400+260 LT	33	10+840 LT	35
300+085 RT	30	10+855 RT	35
10+868 LT	35	11+540 LT	30
10+884 RT	35	11+540 LT	30
13+580 LT	30	14+600 LT	30
13+580 RT	30	14+600 RT	30

607.163 Chain Link Fence – 1.2 M PVC Coated

From Station	Offset (m)	To Station	Offset (m)
11+540 LT	30	11+716 LT	58
11+540 LT	30	11+737 RT	56
13+477 LT	30	13+580 LT	30
13+460 RT	30	13+580 RT	30
14+600 LT	30	14+790 LT	30
14+820 LT	35	15+200 LT	30
14+600 RT	30	40+200 LT	15
40+280 RT	30	50+240 RT	4

607.15 Drive Gateway 4.9 M Metal

From Station	To Station
11+605 LT	11+613 LT
11+669 RT	11+677 RT
14+376 RT	14+384 RT

Augusta
556.27
March 22, 2004

SPECIAL PROVISIONS
SECTION 621
LANDSCAPE
(Plant Species Specification and Quantities List)

The following list of items provides the estimated quantities for use on this project. The scientific name of the plant material is provided along with the common name in parenthesis.

The contractor shall follow MDOT Standard Specifications for landscape materials and installation procedures (sec 621) latest edition.

The MDOT Landscape Architect or his designee will be available to inspect plant materials and stake the location of plant materials at the time of planting.

All shrubs shall be planted in mulched beds, 621.401, 621.498, & 621.546 2000 mm o.c., 621.54 1000 mm o.c., 621.71 500 mm o.c.

ITEM NO	Description	Unit	Quantity	Total
621.01	Evergreen Trees (200 mm - 300 mm)	Ea		1000
	Pinus resinosa (Red Pine)		400	
	Picea abies (Norway Spruce)		400	
	Picea glauca (White Spruce)		200	
621.031	Evergreen Trees (1200 mm – 1500 mm) B&B	Ea		72
	Picea abies (Norway Spruce)		24	
	Picea glauca (White Spruce)		24	
	Pinus resinosa (Red Pine)		24	
621.037	Evergreen Trees (1500 mm -1800 mm) B&B	Ea		50
	Picea abies (Norway Spruce)		15	
	Picea glauca (White Spruce)		15	
	Pinus resinosa (Red Pine)		20	
621.18	Md Deciduous Trees (1800 mm - 2400 mm) con	Ea		120
	Amelanchier grandiflora std (Shadbush)		20	
	Malus s Donald Wyman (Donald Wyman Crabapple)		100	
621.255	Lg Deciduous Trees (2400 mm - 3000 mm) con	Ea		24
	Acer rubrum (Red Maple)		24	
621.273	Lg Deciduous Trees (50 mm – 65 mm cal) B&B	Ea		144

	Acer rubrum (Red Maple)		96	
	Acer saccharum (Sugar Maple)		48	
621.401	Dwarf Evergreen (600 mm – 750 mm) B&B	Ea		126
	Juniperus c. Sea Green (Sea Green Juniper)		126	
621.498	Broadleaf Evergreen (750 mm – 900 mm) con	Ea		126
	Rhodoendron PJM (PJM Rhododendron)		126	
621.54	Deciduous Shrubs (450 mm - 600 mm) con	Ea		348
	Potentilla f. Goldfinger (Goldfinger Potentilla)		174	
	Spiraea b. Anthony Waterer (Anthony Waterer's Spirea)		174	
621.546	Deciduous Shrubs (600 mm – 900 mm) con	Ea		402
	Hydrangea PG compacta (Dwarf PG Hydrangea)		84	
	Forsythia Northern Gold (Northern Gold Forsythia)		84	
	Fothergilla major (Bottlebrush Bush)		50	
	Ilex verticillata (Winterberry)		50	
	Rosa rugosa (Rugosa Rose)		50	
	Syringa vulgaris (Common lilac)		84	
621.71	Perennials			300
	Hemerocallis (Daylilies mixed colors in lots of 50)		300	
621.80	Establishment Period	LS	1	1

SPECIAL PROVISION
SECTION 606
GUARDRAIL
(Timber Guardrail)

Description This work shall consist of furnishing and installing timber guardrail where shown on the plans or as directed by the Resident.

Materials Materials shall meet the requirements specified in the following subsections of Division 700 - Materials:

Timber Preservative	708.05
Timber Posts and Rails	710.07
Guardrail Hardware	710.08
Gravel Backfill	703.20

Submittals Submit a certificate of compliance for timber components and hardware detailing conformance with the above Subsections.

CONSTRUCTION REQUIREMENTS

Posts Posts shall be set at a typical spacing of 2.4 m [8 ft] center to center. The Contractor shall stake the spacing of posts in the field for the approval of the Resident prior to excavating post holes.

Excavate post holes to provide an undisturbed bearing surface. The bottom of the holes shall be thoroughly tamped to grade. Posts shall be set plumb at the required location.

Posts may also be driven if suitable driving equipment is used to prevent battering and distorting the post as determined by the Resident.

Posts holes shall be backfilled with gravel backfill placed in layers and thoroughly compacted.

Rails Wood rail shall be constructed as shown on the enclosed detail. Rails shall be erected to result in a smooth continuous guardrail conforming to the line and grade as shown on the plans. Top of rail shall be flush with the top of supporting post and shall be set 0.9 mm [24 in] above finished grade. Butt adjoining rail sections; maximum separation between adjoining rail sections shall be 0.002 mm [1/16 in].

Material damaged due to the Contractor's negligence shall be replaced with new materials at no additional cost.

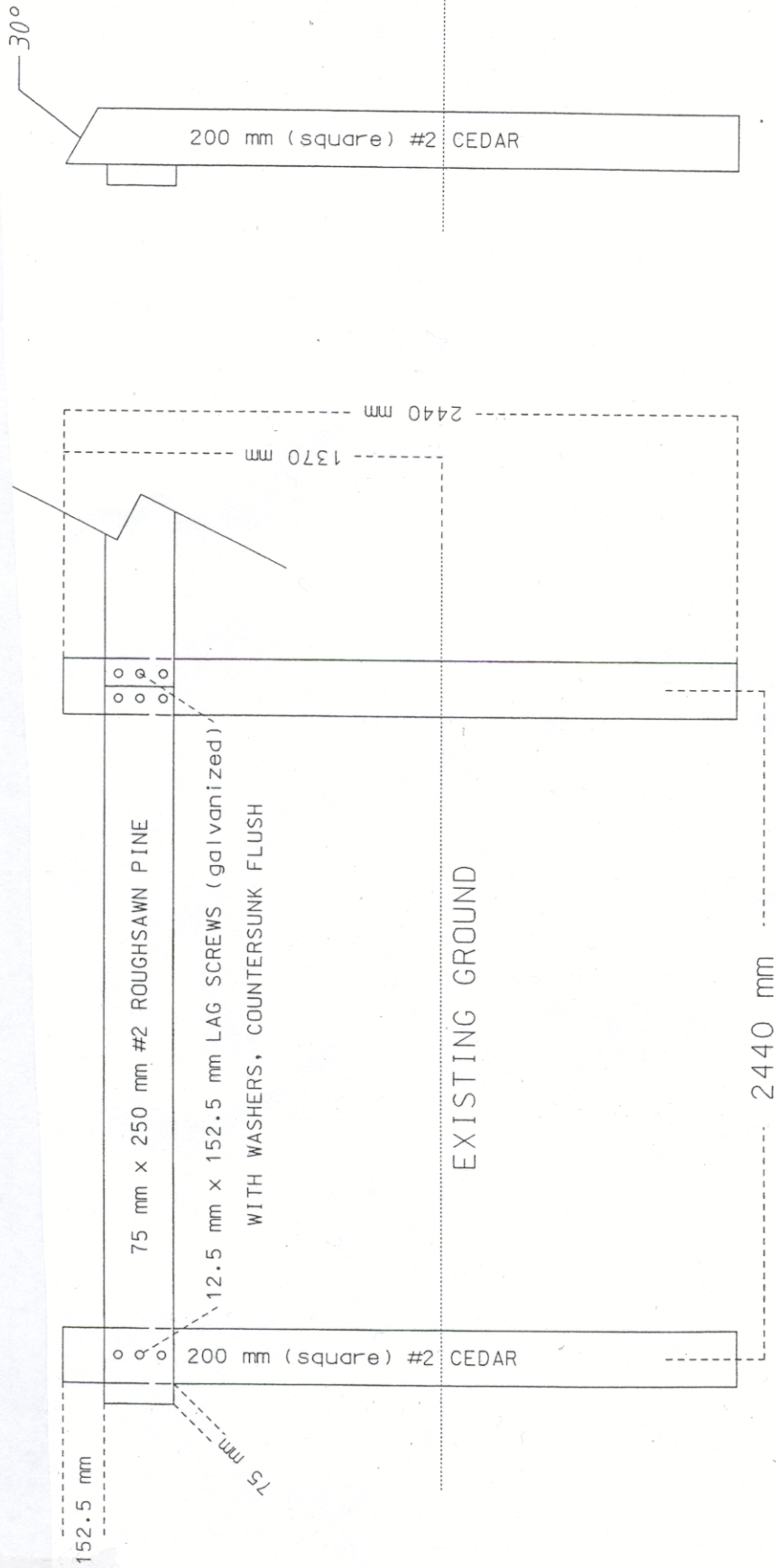
Wood surface, cut or injured, and field bored holes in wood posts or rails shall be brush treated with two applications using same preservative material as specified above.

Method of Measurement Timber guardrail will be measured by the meter [foot] complete in place center to center of end posts along gradient of the rail.

Basis of Payment The accepted quantities of timber guardrail will be paid for at the contract unit price per meter [foot], complete in place. Payment shall be full compensation for treating, furnishing and assembling all materials, for excavating and backfilling holes, driving of posts, installation of removable posts and sleeves, and for all incidentals to complete the work. Gravel backfill will not be paid for separately, but will be considered incidental.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
606.611 Timber Guardrail	Meter [Foot]



ITEM 606.611 TIMBER GUARDRAIL DETAIL

Town: Augusta
PIN: 556.27, 556.31,
556.32
Date: April 5, 2004

SPECIAL PROVISION
SECTION 656
Temporary Soil Erosion and Water Pollution Control

The following is added to Section 656 regarding Project Specific Information and Requirements. All references to the Maine Department of Transportation Best Management Practices for Erosion and Sediment Control (a.k.a. Best Management Practices manual or BMP Manual) are a reference to the latest revision of said manual. The "Table of Contents" of the latest version is dated "1/19/00" (available at <http://www.state.me.us/mdot/mainhtml/bmp/bmpjan2000.pdf>.)

Procedures specified shall be according to the BMP Manual unless stated otherwise.

Project Specific Information and Requirements

The following information and requirements apply specifically to this Project. The temporary soil erosion and water pollution control measures associated with this work shall be addressed in the SEWPCP.

1. This project is located within the Kennebec River watershed. This section of the river and associated tributaries have been designated Class B. This project will be considered **SENSITIVE** in accordance with the BMP Manual. The Contractor's SEWPCP shall comply with Section II.B., Guidelines for Sensitive Waterbodies in the BMP Manual.
2. A preconstruction field review is mandatory for this project. The preconstruction field review shall take place before commencing any work that involves soil disturbance or potential impacts on water quality. The date and time shall be set by the Contractor in consultation with the Construction Manager and ENV Water Resources Unit representative.
3. Newly disturbed earth shall be mulched by the end of each workday. Mulch shall be maintained on a daily basis.
4. Dust control items other than those under *Standard Specification, Section 637 – Dust Control*, if applicable, shall be included in the plan.
5. Permanent seeding shall be done in accordance with *Standard Specification, Section 618 - Seeding* unless the Contract states otherwise.
6. After November 1 the Contractor shall use winter stabilization methods, such as Erosion Control Mix as specified in *Standard Specification, Section 619 - Mulch*. If required, spring procedures for permanent stabilization shall also be described in the plan. Use of this product for over-winter temporary erosion control will be incidental to the contract and be paid for as part of Pay Item 656.75.

NOTES:

1. Any and all references to "bark mulch" or "composted bark mix" shall be a reference to "Erosion Control Mix" in accordance with *Standard Specification, Section 619 - Mulch*.